



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000054887** | Submit Date: **06/01/2018** | Call Sign: **WAAY-TV** | Facility ID: **57292** | FRN: **0025852393**  
 State: **Alabama** | City: **HUNTSVILLE**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/13/2018** | Expiration Date: **12/05/2018**  
 Filing Status: **InActive**

**General Information**

Section	Question	Response
---------	----------	----------

**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$190.00
<b>Total</b>		<b>\$190.00</b>

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
ALABAMA TV LICENSE COMPANY, LLC	3282 NORTHSIDE PARKWAY SUITE 275 ATLANTA, GA 30327 United States	+1 (470) 355- 1944	jburgett@wileyrein. com	Limited Liability Company

---

**Authorization Holder Name**

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact  
Representatives  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>John M. Burgett , Esq .</b> <i>Legal Counsel</i> Wiley Rein LLP	1776 K Street, N. W. Washington , DC 20006 United States	+1 (202) 719- 4239	jburgett@wileyrein.com	Legal Representative
<b>Joseph M. Davis , P.E .</b> <i>Consulting Engineer</i> Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650- 9600	Joseph.Davis@RF- consultants.com	Technical Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	57292	
State	Alabama	
City	HUNTSVILLE	
DTV Channel	32	
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1041008
<b>Coordinates (NAD83)</b>	Latitude	34° 44' 12.8" N+
	Longitude	086° 31' 58.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	305.4 meters
	Support Structure Height	274.3 meters
	Ground Elevation (AMSL)	473.1 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	170.7 meters
	Height of Radiation Center Above Average Terrain	413.5 meters
	Height of Radiation Center Above Mean Sea Level	643.8 meters
	Effective Radiated Power	262 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003816
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TFU-16WB C160
	Rotation	270 degrees
	Electrical Beam Tilt	0.55
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.772	90	0.880	180	0.614	270	0.875
10	0.787	100	0.830	190	0.567	280	0.922
20	0.828	110	0.763	200	0.448	290	0.965
30	0.889	120	0.659	210	0.337	300	0.991
40	0.951	130	0.517	220	0.369	310	0.985
50	0.992	140	0.374	230	0.513	320	0.946
60	0.998	150	0.340	240	0.657	330	0.885
70	0.973	160	0.448	250	0.760	340	0.825
80	0.929	170	0.567	260	0.826	350	0.785

**Additional Azimuths**

Degree	V <sub>A</sub>
57	1.000
303	0.993

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).</p>	
	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Robert S. Prather , Jr .</b>  <i>CEO</i></p> <p>06/01/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">WAAY-TV STA request ENG 06-01-2018.pdf</a>	Applicant	General Information	WAAY-TV STA engineering exhibits